

**Notice of Allowability**

Application No.

09/990,053

Examiner

Hai C Pham

Applicant(s)

RIEPENHOFF, MATTHIAS

Art Unit

2861

-- ***Th MAILING DATE of this communication appears on the cover sheet with the correspondence address--***

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 03/17/04.
2. ☒ The allowed claim(s) is/are 1-6, 9 and 13-24.
3. ☒ The drawings filed on 21 November 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date 03/17/04 | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                        | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|   | 9. <input type="checkbox"/> Other _____.   |

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney D.W. Darren Kang on June 10, 2004.

The application has been amended as follows:

#### IN THE CLAIMS:

- Claim 2: Rewrote claim 2 as follows:

--2. A lens system in accordance with claim 1, wherein said at least one spherical lens is a cylinder lens.--

- Claim 3: Rewrote claim 3 as follows:

--3. A lens system in accordance with claim 1, wherein said first and second aspherical ~~lens comprises two or more of said~~ lenses are integrated together as an optical element.--

- Claim 4: Rewrote claim 4 as follows:

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--4. A lens system in accordance with claim 2, wherein said first and second aspherical lens ~~comprises two or more of said lenses~~ are integrated together as an optical element.--

- Claim 5: Rewrote claim 5 as follows:

--5. A lens system in accordance with claim 1, wherein at least one of said spherical lens, said first aspherical lens and said second aspherical lens has, in a first direction, a focusing point coinciding with at least another of said spherical lens, said first aspherical lens and said second aspherical lens for focusing the laser light in a second direction.--

- Claim 6: Rewrote claim 6 as follows:

--6. A lens system in accordance with claim 1, wherein at least one of said spherical lens, said first aspherical lens and said second aspherical lens has, in a first direction, a focusing point coinciding with another of said first and second aspherical lens lenses for focusing the laser light in a second direction.--

- Claim 9:
- Line 1, changed "7" to --1--.

- Claim 14: Rewrote claim 14 as follows:

--14. A process in accordance with claim 12, wherein said at least one spherical lens is a cylinder lens.--

- Claim 15: Rewrote claim 15 as follows:

--15. A process in accordance with claim 12, wherein said first and second aspherical lens ~~comprises two or more of said lenses~~ are integrated together as an optical element.--

- Claim 16: Rewrote claim 16 as follows:

--16. A process in accordance with claim 12, wherein said first and second aspherical lens ~~comprises two or more of said lenses~~ are integrated together as an optical element.--

- Claim 17: Rewrote claim 17 as follows:

--17. A process in accordance with claim 12, wherein at least one of said spherical lens, said first aspherical lens and said second aspherical lens has, in a first direction, a focusing point coinciding with at least another of said spherical lens, said first aspherical lens and said second aspherical lens for focusing the laser light in a second direction.--

- Claim 14: Rewrote claim 14 as follows:

--18. A process in accordance with claim 12, wherein at least one of said spherical lens, said first aspherical lens and said second aspherical lens has, in a first direction, a focusing point coinciding with another of said first and second aspherical lens lenses for focusing the laser light in a second direction.--

2. The following is an examiner's statement of reasons for allowance: Claims 1, 12, 21 and 24 are patentable over the prior art patents and printed publications because of the specific laser lens system for illustrating a printing form, which comprises at least one spherical lens arranged between the edge-emitting laser and the printing form in order to bundle the laser light emitted by the laser, and at least one optical element arranged between the spherical lens and the printing form for focusing the laser light onto a desired spot on the printing form, said optical element further comprising a first aspherical lens focusing or converging the laser light in a first direction and a second aspherical lens focusing or converging the laser light in a second direction, wherein said first aspherical lens and said second aspherical lens are arranged such that a coordinated focusing is performed to generate a desired spot focused on the printing form in said first and said second direction. The combined limitations are not taught by the art of record alone or in combination.

Claims 2-6, 9, 13-20 and 22-23 are allowed because they are directly or indirectly dependent from claims 1, 12 and 21 above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai C Pham whose telephone number is (571) 272-2260. The examiner can normally be reached on M-F 8:30AM - 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen D Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



HAI PHAM  
PRIMARY EXAMINER

June 10, 2004